

Julio Segundo

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Education	Carnegie Mellon University , Pittsburgh, PA B.S. in Electrical and Computer Engineering May 2007 Overall GPA: 3.36/4.0	
Related Coursework	Electrical/Computer Engineering Data Structures and Algorithms Computer Systems Robotic Manipulation Mobile Robot Design	Digital Computation Analysis/Design of Digital Circuits Marketing Sub-Micron ICs Telecommunication Networks
Work Experience	IBM Summer 2006 Circuit Automation Programmer , Intern <ul style="list-style-type: none">Developed and maintained existing software for a circuit automation tool.Created, integrated, and documented a DB2 tracking system for the software.Provided support to users of the software. CARNEGIE MELLON UNIVERSITY IT Technician 2004 – Present <ul style="list-style-type: none">Solve hardware & software issues for over 200 computers and 10 servers.Create and maintain a variety of web pages. Teaching Assistant , Design of Digital Circuits 2006 – Present <ul style="list-style-type: none">Manage and instruct lab sessions.Assist students in solving problems and troubleshoot Cadence.	
Projects	GPS Waypoint Navigator , Integrated Circuit Design Capstone Spring 2006 <ul style="list-style-type: none">Designed Avionics Autopilot Control System on CMOS technology.Hardware analyzes GPS location and corrects rudder angle, altitude, and velocity.Created High Level Simulation of controller on MatLab. Project Manager , Red Team Fall 2005 <ul style="list-style-type: none">Led design of software to implement convoying of autonomous vehicles.Integrated vehicle communication hardware to work with control software.Motivated team of 6 students and employees to reach milestones.	
Activities	cmuTV, Vice President 2004 – Present <ul style="list-style-type: none">Acting President for 6-month period.Manage \$35,000 budget for club operations.Coordinate large-scale productions.Lead meetings of 30+ members. IEEE , Member 2003 – Present	
Skills	Computer Languages: HTML, CSS, JAVA, Perl, PHP, SQL, C, Assembly, Verilog, Skill Software: Proficient in Matlab, Cadence, Dreamweaver, Photoshop, Visio, Word, Excel Technologies: VLSI, ASIC, Servo Systems, Microcontrollers, UNIX, AIX	
Awards Received	Chester Engineers Honor Scholarship, 2005 Access to Education Scholarship, 2003 - 2006 Silver Knight of Dade County for New Media Category, 2003 1 st Place Digital Decade Video Contest, 2002 1 st Place Web Page Design: Ruth Owens Kruse Web Page Contest, 2001 U.S. Citizen	